OTVARC Oscillator

The Oregon Tualatin Valley Amateur Radio Club Newsletter

June 1993

From the President's Desk

By Dale Mosby, N7PEX

It is time to get organized.

Time to keep a good calendar of upcoming events and time to start that list of Field Day equipment you need to assemble. In fact it might be a good time to start getting all that Field Day equipment together right now. I'm always prepared for Field Day far in advance, but I have heard that some hams, not me of course, have waited until the last minute and then grabbed everything that might possibly be related to radio and thrown it in the car as they head to a new Field Day site.

If you have not ever taken part in a Field Day please show up at the OTVARC Field Day site and have fun. This is a great chance for people that have not operated HF or not done contests to get an idea of what it is like, and also a great opportunity to get to know fellow hams and have some fun. Those of you that were able to attend the last OTVARC saw some great Field Day videos. Thanks to John Koenig, NB7W, for a great program.

SeaPac is coming up soon, perhaps come and gone by the time you get your newsletter. SeaPac is a great time to look at the newest gear and meet other amateurs from a wide area. At the first SeaPac I attended I met a fellow that I worked with shortly after graduating college. That was the first time I found out he was a ham.

Please see *President ...*, page 3

At the Next Meeting:

Wednesday, June. 2: Board meeting. 7PM - location is at Geno's (KA7BH) place. Contact any board member for address.

Club meeting June 9. AMATEUR TELEVISION. Others only watch it. Hams make it happen. We will have a working demonstration of amateur TV set up for your inspection. Also, details on the Sea-Pac Convention, To Hel'en Back Bicycle Tour, Field Day, Trask Motorcycle Trials, Cascade Runoff, Rose Festival Parade, Starlight Parade and more!

Inside This Issue:

- Hams get PR
- Wash Cp. Tower Update
- 2 Meter Net Listing
- OTVARC Contacts
- Membership Renewal Form
- Much, much more....

Don't Forget!

- SeaPac, June 4,5,6, Seaside Conv. Cntr.
- Field Day, June 26,27, West Union Elementary School
- Glacier-Waterton Hamfest, July 16-18, E. Glacier, Montana

Schedule of OTVARC Events for 1993

Board meets **July** 7.
Club meeting July 14. AT ANY MOMENT. Emergency preparedness is the key to being ready to help when the need arises. Our program will give you all the inside dope on what Washington County EOC and OTVARC are doing to make sure we aren't caught with our parts down. Also...Club Picnic. Oregon Games 4th of July Parade Coors Light Duathalon

Board meets **August** 4.
Club meeting August 11. PACKET RADIO & SWAP NIGHT. Everything you wanted to know about packet radio will be explained by the experts. A working station will demonstrate the wonders of digital communication. Also, this is our annual swap night. We will have tailgates as well as inside tables. Bring you equipment in and leave with cash (or the other way around). Also...Swap Night. MS150 Bicycle Tour Oregon Trail Bike Trek

Board meets **Sept** 1.
Club meeting Sept 8. INTERFERENCE ELIMINATED. Well, maybe not eliminated but at least explained. We will cover RFI, TVI and phone interference and how to eliminate or reduce these troublesome problems. Also, this is our annual TUNE UP NIGHT. Yes, we will have our hardy crew of experts on the scene to tune up that old tube rig or tweek the deviation of your handheld to perfection. Also...Art Quake Cycle Oregon Beaverton Good Neighbor Days Parade Am Rad Youth Rally

Board meets **Oct** 6.
Club meeting Oct 13. SATELLITE COMMUNICATIONS. Here is a look at the ultimate in DX. We will have a live satellite station set up to look at and listen to. Satellites are the wave of the future and the future is here. Also...Halloween Contest. SSB on 10M for 1 hour. Walktoberfest

Board meets **Nov** 3.
Club meeting Nov 10. WORKING DX. Here is the program that tells us all how to get the really rare ones. You will Junevel at the trickery that goes into snagging the rare ones. There will also be tips on how to get QSLs Also...Santa Claus Parade

Board meets **Dec** 1.
Club meeting Dec 8. NEW OFFICERS ELECTED & HOLIDAY PARTY. Come and see who will lead us into the second half of the last decade of the year.

If you have updates for the event callendar, please contact Doug Reeves at 833-8504.

Wash. Co. Tower Regulation Update

by Dale Mosby, N7PEX

The planning meeting held May 25 was very well attended by the Amateur community. This is due in large part by the hard work of several people in getting a mailing out to amateur operators. If you zip code is one that could reside in Washington County then you should have received the letter. (Your address is current with the FCC, isn't it?) At the next meeting you will be able to learn the current status.

The quick summary of the May 25 meeting is that the commissioners decided that the ordinance as last voted on would not be acceptable and would need some additional revisions.

It is important that you attend these meetings and let the commissioners know that there are voters in the community that support Amateur Radio. I know this can be an emotional issue, and it is frustrating to feel like a group of people are trying hard to eliminate a great activity. But please remember the goal is to prevent regulations that will restrict Amateur Radio and we can best achieve that by showing up at the meetings and appearing as a very professional and well behaved group.

The "opposition" wants us to appear to be a group that spoils views, causes interference, and doesn't care about others. When you are at the meetings do not clap, laugh, or make noise. We want the commissioners to view Amateur Operators as reasonable people and the anti-tower folks to be a small minority of the voters.

President...

from page 1

Anyone interested in taking part in a special event to celebrate the 150th anniversary of the Oregon Trail should contact me at the next club meeting.

We need some help running the club! Someone needs to fill the position of organizing the program for each meeting. You may have seen a list of programs printed in some of the newsletters, well we need someone to turn these ideas into club programs, or come up with something new. If you have a great idea for a program topic this is a great opportunity to turn it into a real program. Please give me a call and volunteer for this position.

We also need a newsletter editor. We are incredibly fortunate to have Doug Reeves working hard on layout, and Al Berg putting in tremendous effort printing and leading the mailing process. We need someone to work on getting material together and helping with the newsletter. If you have an article for the newsletter please get that to Doug Reeves (phone 833-8504). Preferred format is a plain text file on a 3 1/2 inch floppy disk.

Dan has had Eric's brother over so he could speak with Eric. Both Dan and Dave have been creating transcripts of the class contacts with Eric and sending them out to family and friends via electronic mail. I have also run phone patches from Eric so his wife could speak with him on the mountain. This has been a fun and very interesting experience.

[Editor's Note: A picture of and article about the classroom communicators appeared in the MetroWest section of May 27th's *Oregonian* .]

Mount McKinley Update

by Dale Mosby, N7PEX

As I write this Eric LeMoine, KB7TSN, is at 17,000 feet Mount McKinley.

Eric is a third grade teacher at Barnes Elementary School here in Washington County. I spoke with him at 9PM tonight (May 26) and the winds were gusting up to 35 MPH and the temperature was 5 degrees F. I have had a contact every night at 9PM on 20 meters.

Since May 10 Dave Aucsmith, N7VKC, and I have been going into the classroom each Monday, Wednesday, and Friday and letting the kids talk with Eric. Eric carried with him a 2 meter HT and lots of batteries. He also took a telescoping antenna. He makes contact with one of many hams in Anchorage or surrounding towns and they patch the two meter signal through to 20 meters. The quality varies, and sometimes we need a relay, but so far we haven't missed a single contact.

For the last two days Eric and his two climbing companions have been at 17,000 feet waiting out a storm. They have two days of food left at this altitude and then they must head down the mountain, to their lower camp at 12,000 feet and then on to a glacier at 7,000 for a plane trip to Anchorage and then on home. If the weather clears in the next two days they should reach the top 3000 feet above them.

The Amateur Operators in Alaska have been fantastic to work with in this project. Also listening is Dave, WA2JEI, in San Diego. Dave is a good friend of Eric's. Another local station is Dan, KE0UR. Dan is a good friend of Eric's and also Eric's brother.

Continued at left...

OTVARC Club Contacts

OTVARC Executive Board

President	Dale Mosby	N7PEX	640-0217
Vice Pres	Alan Churchill	AA7CV	639-5660
Secretary	Brad Beach	N7NVC	657-1781
Treasurer	Carl Clawson	WS7L	629-5796
Trustee	Al Berg	WB7SIC	640-5456
Trustee	Dave Morrison	W7JXU	645-8788
Trustee	Ira Rubin	KF7QS	244-3070
Trustee	Lynn Hurd	WB7UNU	649-9152
Trustee	Wes Allen	K7WWG	649-3295

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	297-2732
Bunny Hunting	Dale LeBarron	W7FBP	638-7768
Contesting	Open		
DX News	Rich Jones	KG7FS	645-9417
Equipment Valuation	Randy Stimson	KZ7T	297-1175
Equipment Trustee	Al Berg	WB7SIC	640-5456
Emergency Services	Tim Taylor	N7UCA	292-6830
Field Day	Carl Clawson	WS7L	629-5796
Health & Welfare	Pat Griffiths	KA7UFG	649-0837
Member Badges	John Klein	KA7ICV	281-0798
Newsletter Editor	Alan Churchill	AA7CV	639-5660
Newsletter Layout	Doug Reeves	N6XHW	833-8504
Newsletter Distribution	Al Berg	WB7SIC	640-5456
Nomination of Officers	Alan Roehl	KO7B	292-5243
Project Night	Open		
Public Relations	Bill Merwin	N7VZF	644-1974
Public Service	Randy Stimson	KZ7T	297-1175
Repeater	Wes Allen	K7WWG	649-3295
RFI & TVI	Dale Mosby	N7PEX	640-0217
Satellites	Red Robert	AA7CP	357-5747
Scholarship	Pat Griffiths	KA7UFG	649-0837
Sea-Pac	Al Berg	WB7SIC	640-5456
	Brad Beach	N7NVC	657-1781
	Jim Schaeffer	KB7ADH	245-2518
	Alan Churchill	AA7CV	639-5660
Technical	Joe Boyd	N7VZS	678-2188
Tower Ordinances	Stan Griffiths	W7NI	649-0837
Trailer	Dee Lynch	KA7NPN	646-4580
Training (Code)	Tom Durell	KG7RD	
Training (Novice/Tech)	Dave Morrison	W7JXU	645-8788
Training (Upgrade)	Joe Boyd	N7VZS	678-2188
VE Testing	Alan Roehl	KO7B	292-5243
VE Test Schedule	John Klein	KA7ICV	281-0798
VHF/UHF	Bill Roth	N7RYW	297-7605

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OTVARC Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a non-profit corporation, wants to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, the intent is to promote the advancement of Amateur Radio Service through the following five objectives:

1. Education & training of new and licensed Amateurs.
2. Public Service during public events & community activities.
3. Emergency communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits from you joining the ARRL through OTVARC. To join or renew your membership in the ARRL, contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and is usually mailed on the first of the month. The opinions, views and recommendations of its contributors are not necdssarily those of the Club, it's officers, advertisers or the Editorial Staff.

Correspondence: All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

Advertising: Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. All display ads run for six months at a time from June through June and July through December. All ads must be paid for in advance. Rates for 1993 are as follows:

Full Page	8" X 10"	$200 for 6 months.
Half Page	8" X 5"	$125 for 6 months.
Qtr Page	4" X 5"	$ 75 for 6 months.
Bus Card	2" X 3"	$ 35 for 6 months.

Meetings: We have two meetings per month. The board meeting is on the first Wednesday of each month. All club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The General Meeting is on the second Wednesday of each month at the Beaverton Elks Club, 3500 SW 104th Ave (1 block off Canyon road). Meetings start at 7PM. If you would like to come early, you can get a nice meal from the Elks for less than $6.

Membership: OTVARC is open to anyone who breathes. You do not meed to be a licensed radio amateur to join our group. Dues are as follows: Full member, $10/yr; Associate member (nonlicensed), $10/yr; Family members of full member, $5/yr; Life memberships available - see Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club Treasurer for reduced dues.

How to Join: Simply mail the Member Application and Renewal Form along with your dues to the address above.

LOCAL HAM CLUBS
(Stop by for a visit)

Name.....	Clark Co. ARC
Address.....	P.O. Box 1424 Vancouver, WA 98668
Meeting ..	First Friday at 7:30 PM Bagley Comm Center. 4100 Plomondon St. Vancouver East end of Building Packet meeting 2nd Tues @ 7:30 PM Open Bible Church Corner of SE 10th & Elsworth
President.....	Dan Baulig, N7PKB 254-6202
Established..	1932
Club Call.....	W7AIA
Repeater.....	147.24 +
Nets.....	Tuesday 7 PM 147.24 Tuesday 8 PM 147.24 Swap N Shop Sunday 8 PM 147.24 Open Session
Activities....	Walk N Knock: June of Dimes Horse A Thon - Long distance riding WalkAmerica

Name.....	Hoodview ARC
Address.....	P.O. Box 20624 Portland, OR 97220
Meeting...	Third Thursday @ 7:30 PM Mt. Hood CC Room 1001
President.....	Buck Summers, WT7S Club Call..... WB7QIW
Repeater.....	147.28
Nets.....	147.28 each Wed at 7:30 PM 28.325 each Wed at 6:45 PM
Activities....	June of Dimes Walkamerica Breakfast every Sat at Heidi's in Gresham. 7:30 AM.

Name.....	McMinnville ARC (APRILC)
Address.....	P.O. Box 891 McMinnville, OR 97128
Meeting...	Second Thursday @ 7:30 PM HP Building
President.....	Dave Davis, KB7HQA 843-2532
Repeater.....	146.64

Name.....	Portland ARC (PARC)
Address.....	6115 SE 13th Ave. Portland, OR 97202
Meeting...	Fourth Friday @ 7PM PCC Southeast Cntr, Rm. C-2 2850 SE 82nd Ave.
President.....	J. Kevin Hunt, WA7VTD 655-8900
Established...	1941
Club Call.....	W7KYC
Repeater.....	146.84
Nets.....	146.84 each Monday at 7 PM.
Activities....	Portland Juneathon Red Cross Kelly Butte E.O.C.

Name.....	TEchnology RAC (TERAC) (formerly Tek Employees RAC)
Address.....	P.O. Box 500 MS 50-600 Beaverton, OR 97077
Meeting...	First Friday @ 7:30 PM Bldg 45 Conf Rm (Tek Cafeteria)
President.....	Gene Single, K7IUN 644-0807
Club Call.....	K7AUO
Repeater.....	448.65 & 146.58
Activities....	Artquake
Activities....	

Name.....	Oregon Tualatin Valley ARC (OTVARC)
Address.....	P.O. Box 5132 Aloha, OR 97006-0132
Meeting.....	Second Wednesday @ 7pm Beaverton Elks, 3500 SW 104th (1 block N of Canyon Rd.)
President...	Dale Mosby, N7PEX, 640-0217
Repeater....	146.90 (courtesy K7WWG)
Activities....	Cycle Oregon, MS 150, Walktoberfest, Dinner before meetings @ ~6pm at Elks Lodge

Name.....	Valley Radio Club of Eugene
Meeting.....	First Friday @ 7pm Red Cross Bldg, 150 E. 18th
President...	Paul Moore, KB7GBO

Name.....	Salem ARC (SARC)
Address.....	P.O. Box 61 Salem, OR 97308-0061
Meeting.....	Fourth Tuesday @ 7:30pm Four Corners School, 500 Elma
President...	Jerry Kubik, W6TGB, 364-9659
Repeater....	146.86
Activities....	Breakfast every Sat at Neufelds

If you have updates or additions to this list, send them to OTVARC at PO Box. 5132, Aloha, OR 97006-0132 Thanks.

FOR SALE OR TRADE OR WANTED

Wanted: Your ad here. It's free. Just grab Alan Churchill at the next meeting with your ad written out. Free is a very good price.

Moving Sale: Butternut HF5V-III five band HF vertical antenna with roof mounting kit, approximately 250 feet of RG-213/U coax and approximately 150 feet of 30-conductor cable, all for only $50. Call Alan, KO7B, at 326-3734 (O) or (206)574-3221 (H).

Much New And Used Equipment for sale.

The following is **used**:

TS440/CW/SSB Filters/Tuning Upgrade/PS430	$650
TS430 Service Manual	$ 15
SP430 Speaker	$ 20
MFJ 901 Antenna Tuner	$ 15
Heil Desk Mike	$ 15
Field Strength Meter	$ 5
Hustler 4BTV	$ 20
Autek MK-1 Keyer / Vibroplex	$ 50
Simpson 262 VOM	$ 25
2m 5/8 Wave Ground Plane	$ 20
3-1000Z Amp/P.S. Needs work.	$200
Rohn BPC25G Concrete Base Plate	$ 20

The following is **new**:

Rohn HBU Universal House Bracket	$ 20
Rohn GB45G Guy Bracket	$ 50
Rohn TB50 Tower Bushing	$ 5
Rohn TB75 Tower Bushing	$ 5
Rohn AB Wood Block Bearing	$ 5
Rohn EP253 Guy Equalizer Plate	$ 15
Rohn EP255 Guy Equalizer Plate	$ 15
Rohn DT25 Drive Tool	$ 5
Rohn M200H 10' H.D. Galv. Mast	$ 20
Certificate Frames, 11 x 14	$ 2

Call: Stan Griffiths, W7NI, 649-0837

QRZ! CD-ROM

By Dale Mosby, N7PEX

For those of you having the combination of a PC [or Mac - *ed.*] and a CD ROM, there is a new CD called the "QRZ! Ham Radio CDROM".

Quoting from the publishers information: This disk contains the entire FCC Callbook, along with easy to use search software. There are also thousands of programs relating to ham radio, packet radio, and related fields. There are programs for practicing Morse Code, designing antennas, computing lat/long, and designing circuits. This disc includes lists of amateur radio clubs and organizations. There is a list of Canadian callsigns. The QRZ! Ham Radio CDROM is the best collection of Ham Radio information available anywhere, and is a tremendous bargain. Made in may 1993.

I recently added a CD ROM drive to my PC and purchased this disc as my first CD. There is a lot of software on it and you can spend a lot of time investigating the contents. This disk is available from Walnut Creek CDROM, (510) 674-0873. The cost is $24.95. They have several other CD ROMs available.

One of the things I found interesting about Walnut Creek CDROM is that I am able to connect to them through the Internet. This is similar to a dialup through a modem, but with orders of magnitude faster access. In fact the connection gives a very good impression of being a set of disks attached to your computer.

It is possible to examine the index files for several CD ROM discs and transfer several hundred kilobyte files in just a few seconds. I examined the contents of several CD ROM discs, selected 3 that I wanted, and then sent an order via electronic mail. They shipped the disks and I had them in less than a week. Truly high tech shopping!

OTVARC Field Day 1993: AA7CP/KB7SVB

by Carl Clawson, WS7L

We're on the home stretch toward another fun and communicative Field Day. Mark your calendar for June 26 and 27!

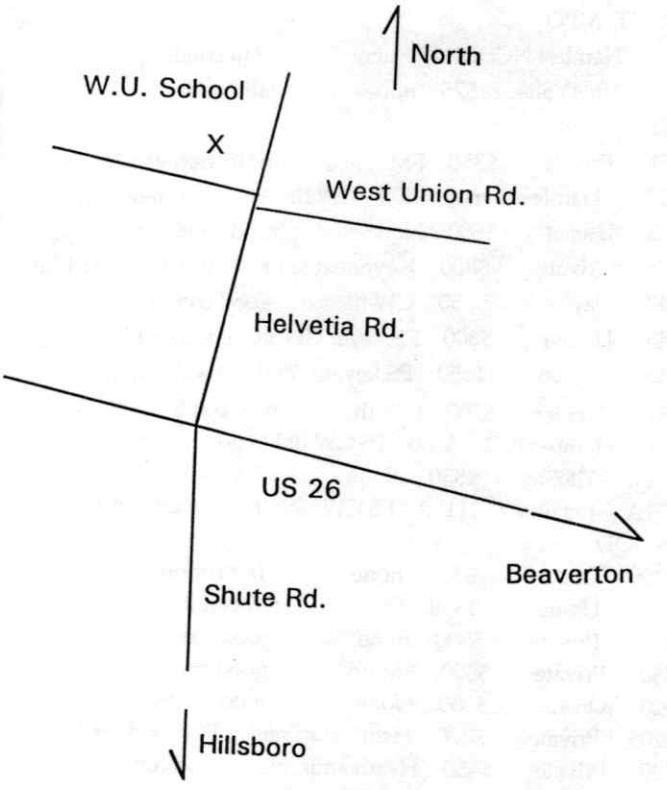
Our event this year will be held at the West Union Elementary School, 23870 NW West Union Rd., Hillsboro. The location is at the southwest corner of the intersection of Helvetia Rd. and West Union Rd. From US 26 take the Helvetia Rd./Shute Rd. exit. Proceed north on Helvetia Rd. approximately one mile to West Union Rd. Turn left, and the school is on your left.

There have been many offers of equipment and assistance with the event, for which I thank all of you involved. Special recognition, as always, goes to those hams who serve as station trustees for the event: Our call signs this year belong to Red Robert AA7CP and Leon Hixon KB7SVB. Let's make sure these calls are heard loudly and often throughout the day! We owe a special "thank you" also to Roy Nickerson, principal of West Union Elementary, for his help in securing the use of the grounds.

We will plan on moving the trailer into place in the afternoon or evening of Friday the 25th. We will then set up our stations starting at 8:00 a.m. on Saturday. Operation will be from 11:00 a.m. Saturday to 11:00 a.m. Sunday. For those that arrive early enough on Saturday morning, there will be donuts and beverages. We will have coffee and punch available throughout the event, but all other feeding arrangements will be made up on the spot. The nearby Helvetia Tavern has excellent burgers and I'm sure someone will be taking up a collection for a pizza run or two. Please, though, no alcoholic beverages on the school grounds.

One important job, which I neglected to mention last month, remains to be filled: the visitor information booth. One of the functions of Field Day is to generate public interest in amateur radio, and we score points in the event by having a visitor's booth or other formal activity designed to further this end. I would like at least two people to be available to take turns at this during the hours of 11:00 a.m. to 8:00 p.m. Saturday and 8:00 to 12:00 Sunday. I will provide informative handouts about OTVARC and Field Day. Your job will be to keep a log of visitors and hand out the information.

Anyone who hasn't yet volunteered for something and who wants to get involved, call Carl Clawson WS7L at home, 629-5796

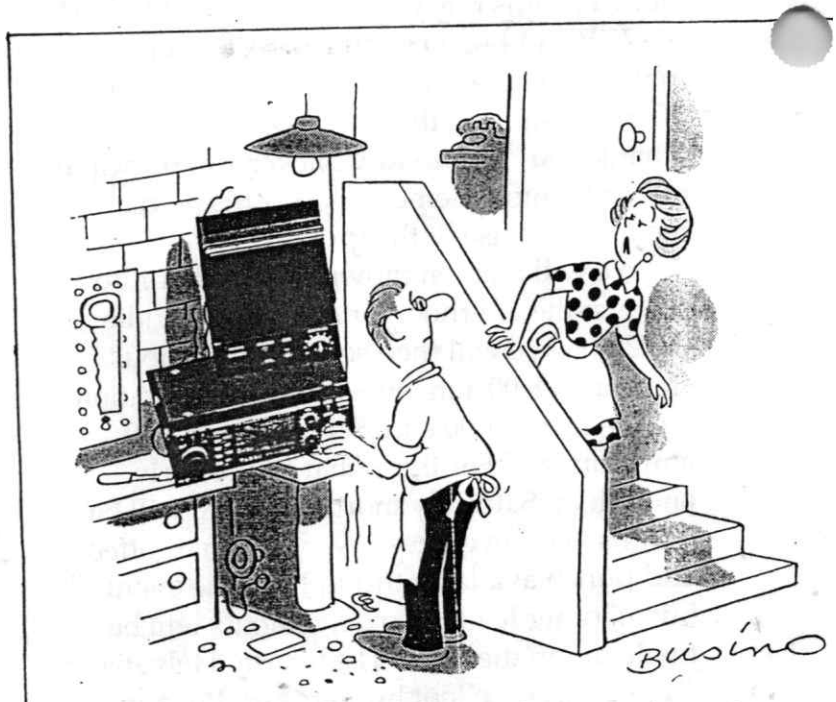


I don't know if this will reach you before SeaPac, but in the hopes that it does here is some information on the price of used equipment. The following list was compiled by Randall Rhea, KK6MY. He posted to computer network called Internet a request for information about HF rigs purchased recently. The list gives the rig, price, and any extra equipment included.

Make Model	How Sold	Price	Extras	Comment
COBRA				
148	Hamfest Foothl	$70	None	CB convrtd to 10m
COLLINS				
75S3B/32S1	Usenet	$500	Spkr,PS	good condn
DRAKE				
TR-3	Retailer	$300	None	fair condn
TR-5	Internet	$300	CW flt,PS	good condn
TR-4	Hamfest Foothl	$275	spkr,mic,PS	fair condn
TR-4	Hamfest Foothl	$300	spkr,mic,PS	fair condn
TR-7	Usenet	$600	3 flt, PS	
HEATHKIT				
HW-8	Hamfest	$75	none	no manual,need align
HW-101	Private	$125	CW flt,mic,PS,spkr	good condn
SB-101	Usenet	$110	CW flt	good condn
HAMMERLUND				
HQ-145	Private	$45	none	good condn
HQ-145	Private	$85	none	good condn
HQ-170	Hamfest TRW	$250	spkr	new condn
HENRY/TEMPO				
One	Hamfest NC	$140	none	fair condn
2020	NutsVolts	$75	none	fair condn
ICOM				
IC-551	Private	$350	FM	6m rig, new condn
IC-720A	Hamfest Lvrmr	$400	CW flt	near new condn
IC-735	Usenet	$600	None	good condn
IC-735	Private	$800	Keyer,ext spkr	1 yr old, w/paddle
IC-740	Dayton	$650	CW flt	good condn
IC-745	Usenet	$600	PS,keyer,CW flt	good condn
IC-745	Dayton	$650	PS,keyer,CW flt	good condn
IC-751	Retailer	$700	CW flt	new condn
IC-751	Hamfest NC	$750	PS,CW flt,keypd	w/speech modl
IC-751A	YlloSht	$850	None	1 yr old
IC-751A	Retailer	$1150	PS,CW/SSB flt	good condn
KENWOOD				
TS-120S	OnAir	$300	none	fair condn
TS-120S	Usenet	$350	PS	fair condn
TS-430S	Private	$500	none	good condn
TS-430	Private	$600	FM bd	good condn
TS-520	OnAir	$300	None	good condn
TS-520S	Private	$300	Heath amp,mic	FC, good condn
TS-520	Private	$450	Heath amp,mic	good condn
TS-520SE	YlloSht	$350	VFO, spkr	
TS-530S	Private	$550	spkr,desk mic	good condn
TS-820S	Usenet	$575	CW flt	prob with display
TS-830S	Hamfest LA	$600	none	good condn
TS-830S	Hamfest Cincin	$600	none	good condn
TS-940S	Usenet	$1150	spkr,desk mic,	good condn
TEMPO/HENRY				
One	Hamfest NC	$140	none	fair condn
2020	NutsVolts	$75	none	fair condn
TEN-TEC				
Triton IV	YlloSht	$200	None	
Triton IV	YlloSht	$300	PS,CW flt, NL	No mic, good cond
Triton IV	YlloSht	$300	PS,CW flt, NL,mic	
YAESU				
FT101B	Private	$400	scope,PhP,spkr,FC	Good condn
FT101E	Usenet	$350	none	
FT101EE	Retailer	$400	none	w/warranty,fair con
726R	Retailer	$950	6m,2m,70cm	6m+VHF rig
FT747GX	Retailer	$550	CW flt	good w/warranty

ABBRIEVIATIONS

Amp	Linear amplifier	Bd	Board
FC	Frequency Counter	Flt	Filter
Foothl	Foothill hamfest (California)	Lvrmr	Livermore, Calif
mic	Desk mic	NC	North Carolina
NutsVolts	Nuts and Volts Periodical	NL	Noise limiter
PhP	Phone Patch	TRW	TRW Swap Mee
YlloSht	Yellow Sheet Ham Trader Periodical		



"Neighbors phoned to ask when your guest appearance on their TV set will be over."

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by Bill Roth N7RYW

145.27	Daily	5:50 AM	Weather Net
145.27	Daily	4:24 PM	Weather Net
146.78	Daily	7:30 PM	Dist 4 ARES (Corvallis)
147.32	Daily	6:05 PM	Traffic and training net.
147.32	Daily	7:30 PM	District
145.27	Mon.	8:30 PM	YL & Ladies Net
146.84	Mon.	7:00 PM	Portland ARC news.
146.86	Mon.	7:00 PM	ARES net.
147.00	Mon.	8:00 PM	CCRA Service net.
145.27	Tue.	6:00 PM	DX Linkup to the East
145.27	Tue.	9:00 PM	Computer Net
146.90	Tue.	7:00 PM	WA Co. ARES Net
147.24	Tue.	8:00 PM	Swap n Shop
145.19	Wed.	8:00 PM	NW Astronomy Net
145.27	Wed.	8:00 PM	Intertie Checkin
147.28	Wed.	7:30 PM	Hoodview ARC net.
145.27	Thur.	7:00 PM	Intertie Technical
145.27	Thur.	9:00 PM	NAPRA Packet Ragchew
145.35	Thur.	7:30 PM	Swapnet & Newsline.
146.64	Thur.	7:15 PM	Yamhill Co. ARES
146.86	Thur.	7:00 PM	ARES net.
145.27	Fri.	8:00 PM	Youth Net.
145.27	Sat.	9:00 AM	Swap Net
145.27	Sat.	12:00 PM	Nightowls Net
145.27	Sun.	10:00 PM	Astronomy Net

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OTVARC Associate.....	10/yr.	Grand Total	_____
Family Member.....	5/yr		
Life Membership.....	See Treasurer.	Date Paid	_____
ARRL Membership.....	30/yr.	Check Number	_____
ARRL (65 & older).....	24/yr.		
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